

V. REMARKS

Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as anticipated by Noji (JP 9-322371). The rejection is respectfully traversed.

Japanese Patent Application (KOKAI) No. 9-322371 (hereinafter called "Citation") refers to a synthetic resin-made inner tube having one or a plurality of smaller compartments, inserted into each of bigger compartments divided by metallic partitions.

However, the "metallic partitions" according to the Citation are not intentionally arranged on the bottom face of a synthetic resin-made tube housing a power cable, for thermal radiation in the event of abnormal heating of the power cable, as presented in the present invention.

The Citation rather describes how to put a distance between the power cable and the metallic partition to avoid any contact, stating at paragraph [0008]:

"Moreover, heating can be controlled, as the high voltage power cable inserted in a smaller compartment is prevented from directly contacting the metallic tube or partition forming a bigger compartment".

Mr. Eizo NOJI invented the invention according to the Citation and he is the one who has invented the present invention.

Mr. NOJI actually realized the invention according to the Citation after completion of the invention of the Citation.

To continue the realization, Mr. NOJI discovered a rare case of surge in a power cable to generate an abnormal heat denting and deforming a part of the synthetic resin-made tube to affect the information transmission cable.

Then, Mr. NOJI worked hard to solve this problem.

As a result, Mr. NOJI completed the present invention, finding that the power cable and the metallic partition should preferably be rather intentionally brought into contact with each other, quite contrary to what has been traditionally thought, in order to use the metallic plate for thermal radiation of the heat generated by the abnormally heated power cable.

In other words, the inventions of claims 1 and 2 according to the present application are both significantly characterized by the position of the metallic radiating plate placed on the bottom face of the synthetic resin-made tube housing a power cable.

Thanks to such a characteristic, the power cable is brought, as pressed more strongly by its own weight, into contact with a radiation plate on the bottom face via a part of the synthetic resin-made tube.

Then, the radiation plate placed on the bottom face improves the thermal radiation efficiency to prevent a part of the synthetic resin-made tube from being dented and deformed by the self-weight of the power cable, even in the event of rise in temperature of the power cable abnormally heated.

As explained above, the present invention, conceived quite contrary to the conventional conception, could never be easily derived even by those skilled in the art.

For the reasons set forth above, withdrawal of the rejection is respectfully requested.

In view of the foregoing, reconsideration of the application and allowance of the pending claims are respectfully requested. Should the Examiner believe anything further is desirable in order to place the application in even better condition for allowance, the Examiner is invited to contact Applicants' representative at the telephone number listed below.

Should additional fees be necessary in connection with the filing of this paper or if a Petition for Extension of Time is required for timely acceptance of the same, the Commissioner is hereby authorized to charge Deposit Account No. 18-0013 for any such fees and Applicant(s) hereby petition for such extension of time.

Respectfully submitted,

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Enclosure(s): Amendment Transmittal

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